

Sakthivel Kumaravel

List of Publications by Year in descending order

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13
papers

353
citations

933447

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#	ARTICLE	IF	CITATIONS
1	Detection of Pesticide Residues (Fenitrothion) in Fruit Samples Based On Niobium Carbide@Molybdenum Nanocomposite: An Electrocatalytic Approach. <i>Analytica Chimica Acta</i> , 2018, 1030, 52-60.	5.4	80
2	Facile synthesis of copper sulfide decorated reduced graphene oxide nanocomposite for high sensitive detection of toxic antibiotic in milk. <i>Ultrasonics Sonochemistry</i> , 2019, 52, 382-390.	8.2	65
3	Ratiometric electrochemical molecular switch for sensing hypochlorous acid: Applicable in food analysis and real-time in-situ monitoring. <i>Analytica Chimica Acta</i> , 2020, 1106, 168-175.	5.4	39
4	A straightforward ultrasonic-assisted synthesis of zinc sulfide for supersensitive detection of carcinogenic nitrite ions in water samples. <i>Sensors and Actuators B: Chemical</i> , 2020, 305, 127387.	7.8	32
5	Development of ratiometric electrochemical molecular switches to assay endogenous formaldehyde in live cells, whole blood and creatinine in saliva. <i>Biosensors and Bioelectronics</i> , 2021, 171, 112720.	10.1	29
6	3D Flower-like NiCo Layered Double Hydroxides: An Efficient Electrocatalyst for Non-Enzymatic Electrochemical Biosensing of Hydrogen Peroxide in Live Cells and Glucose in Biofluids. <i>ACS Applied Bio Materials</i> , 2021, 4, 3203-3213.	4.6	29
7	Thermo-regulated synthesis of NiMn layered double hydroxides for real-time determination of hydrogen peroxide in living cells and oxidase activity. <i>Applied Surface Science</i> , 2021, 539, 148256.	6.1	17
8	Electrochemical substrate for active profiling of cellular surface leucine aminopeptidase activity and drug resistance in cancer cells. <i>Biosensors and Bioelectronics</i> , 2020, 150, 111948.	10.1	13
9	Development of a novel latent electrochemical molecular substrate for the real-time monitoring of the tumor marker aminopeptidase N in live cells, whole blood and urine. <i>Biosensors and Bioelectronics</i> , 2022, 203, 114049.	10.1	13
10	FeMn layered double hydroxides: an efficient bifunctional electrocatalyst for real-time tracking of cysteine in whole blood and dopamine in biological samples. <i>Journal of Materials Chemistry B</i> , 2020, 8, 8249-8260.	5.8	12
11	Facile solvothermal synthesis of ultrathin spinel ZnMn ₂ O ₄ nanospheres: An efficient electrocatalyst for in vivo and in vitro real time monitoring of H ₂ O ₂ . <i>Journal of Electroanalytical Chemistry</i> , 2021, 900, 115674.	3.8	8
12	Convenient and ultrasensitive detection of live Salmonella using ratiometric electrochemical molecular substrates. <i>Analytica Chimica Acta</i> , 2022, 1190, 339244.	5.4	8
13	Facile hydrothermal synthesis of manganese sulfide nanoelectrocatalyst for high sensitive detection of Bisphenol A in food and eco-samples. <i>Food Chemistry</i> , 2022, 393, 133316.	8.2	8